

Supplement of Solid Earth, 12, 119–139, 2021
<https://doi.org/10.5194/se-12-119-2021-supplement>
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Supplement of

Reproducing pyroclastic density current deposits of the 79 CE eruption of the Somma–Vesuvius volcano using the box-model approach

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EU3pf		Φ									
		-4	-3	-2	-1	0	1	2	3	4	5
Juveniles	Mean Density (kg/m ³)	810	805	955	860	970	1600	2350	2550	2550	2600
	Mean wt%	51.73	66.68	63.26	55.21	45.93	41.33	37.37	100	100	100
Lithics	Mean Density (kg/m ³)	2614	2614	2614	2614	2614	2614	2614	2614	2614	2614
	Mean wt%	48.27	33.32	36.49	42.29	45.08	41.27	36.59	0	0	0
Crystals	Mean Density (kg/m ³)	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800
	Mean wt%	0	0	0.25	2.5	8.98	17.4	26.05	0	0	0
WEIGHTED MEAN DENSITY (kg/m³)		1681	1408	1565	1650	1874	2160	2541	2550	2550	2600
EU4b/c		Φ									
		-4	-3	-2	-1	0	1	2	3	4	5
Juveniles	Mean Density (kg/m ³)	810	805	955	860	970	1600	2350	2550	2550	2600
	Mean wt%	42.05	59.81	48.86	43.53	47.48	49.3	41.22	47.55	55.47	100
Lithics	Mean Density (kg/m ³)	2614	2614	2614	2614	2614	2614	2614	2614	2614	2614
	Mean wt%	57.95	40.19	50.69	56.02	49.56	46.89	51.13	47.85	38.54	0
Crystals	Mean Density (kg/m ³)	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800
	Mean wt%	0	0	0.46	0.45	2.96	3.81	7.65	4.59	5.99	0
WEIGHTED MEAN DENSITY (kg/m³)		1855	1532	1804	1851	1839	2103	2519	2495	2590	2600